

Recombinant Mouse Ctps Protein, Myc/DDK-tagged

Cat. No. Ctps-2364M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytidine 5'-triphosphate synthase (Ctps), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This enzyme is involved in the de novo synthesis of CTP, a precursor of DNA, RNA and phospholipids. Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as a source of nitrogen. This enzyme and its product, CTP, play a crucial role in the proliferation of activated lymphocytes and therefore in immunity.
Molecular Mass	67.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Ctps cytidine 5'-triphosphate synthase [Mus musculus (house mouse)]
Official Symbol	Ctps
Synonyms	CTPS; cytidine 5-triphosphate synthase; CTP synthase 1; CTP synthetase 1; UTP--ammonia ligase 1
Gene ID	51797
mRNA Refseq	NM_016748
Protein Refseq	NP_058028
UniProt ID	P70698

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